

Fig. 5

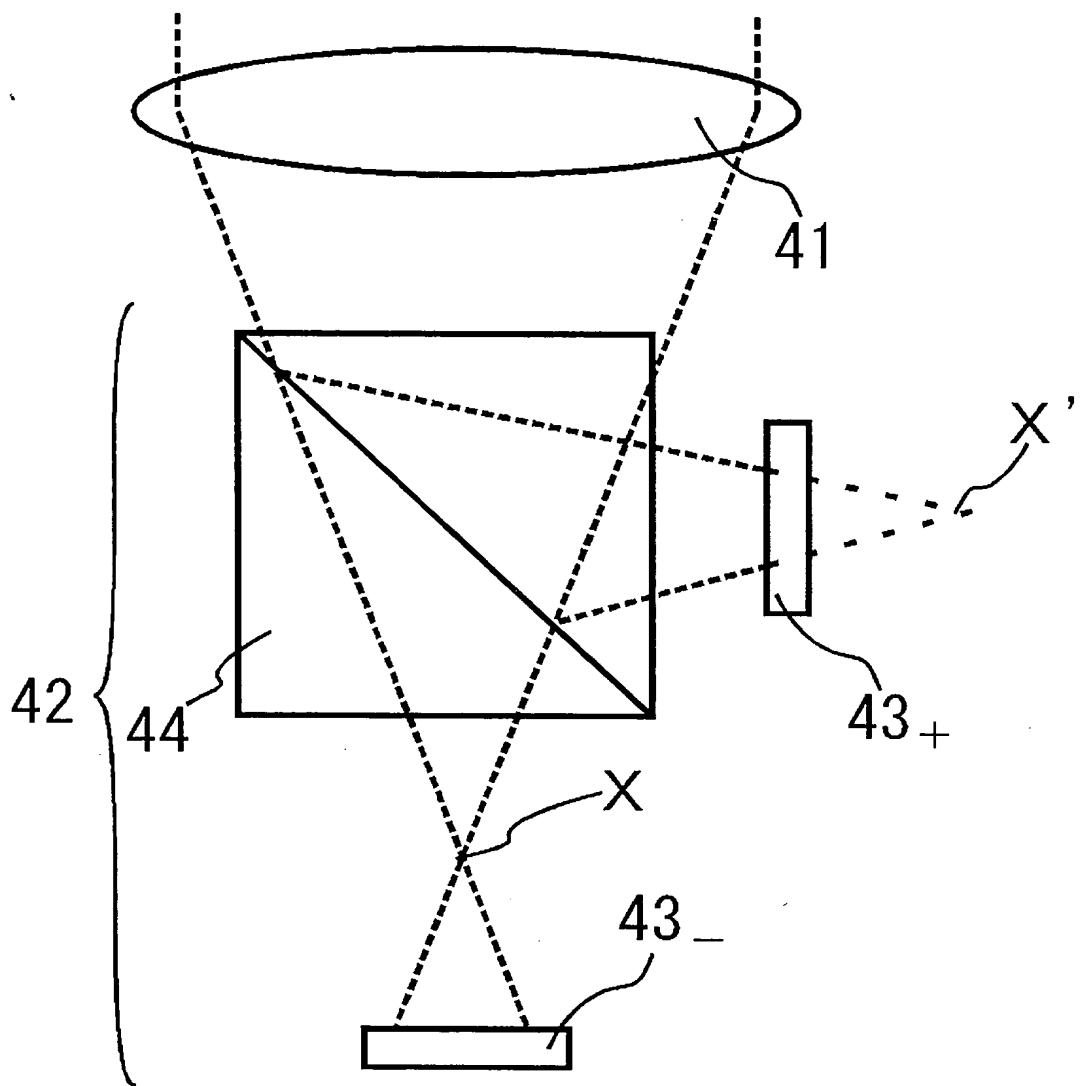


Fig. 6.

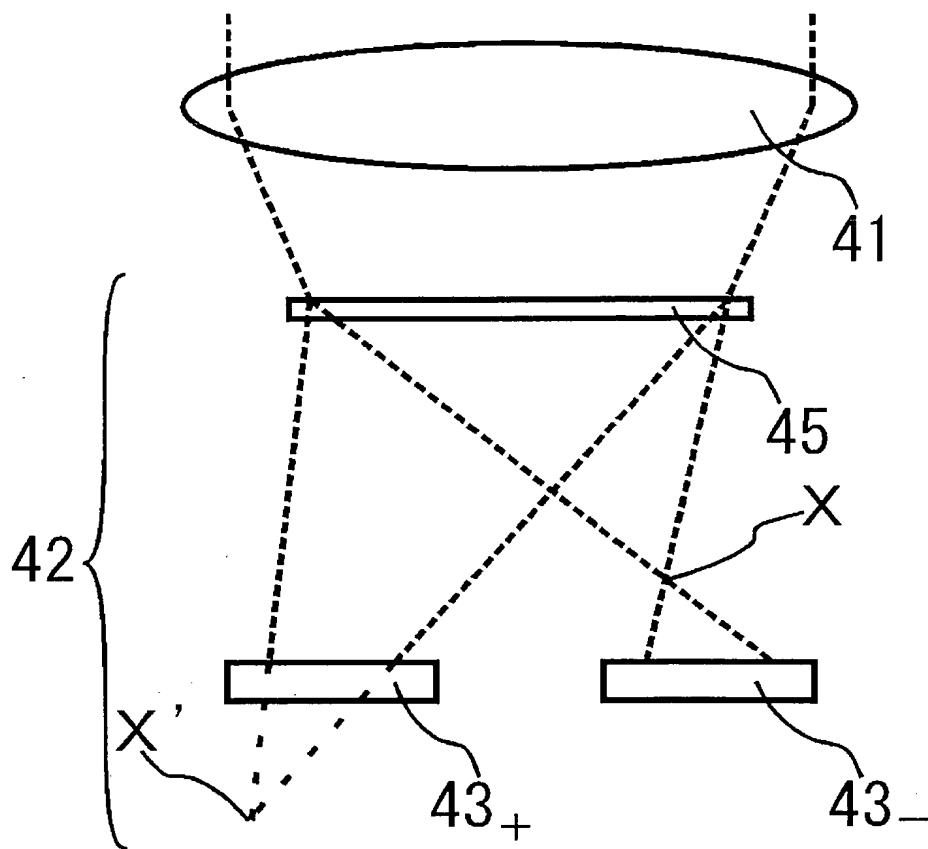
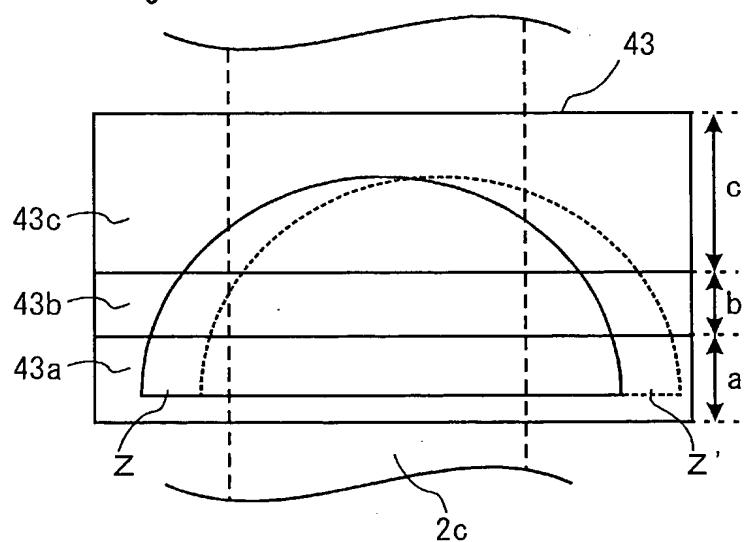


Fig. 7



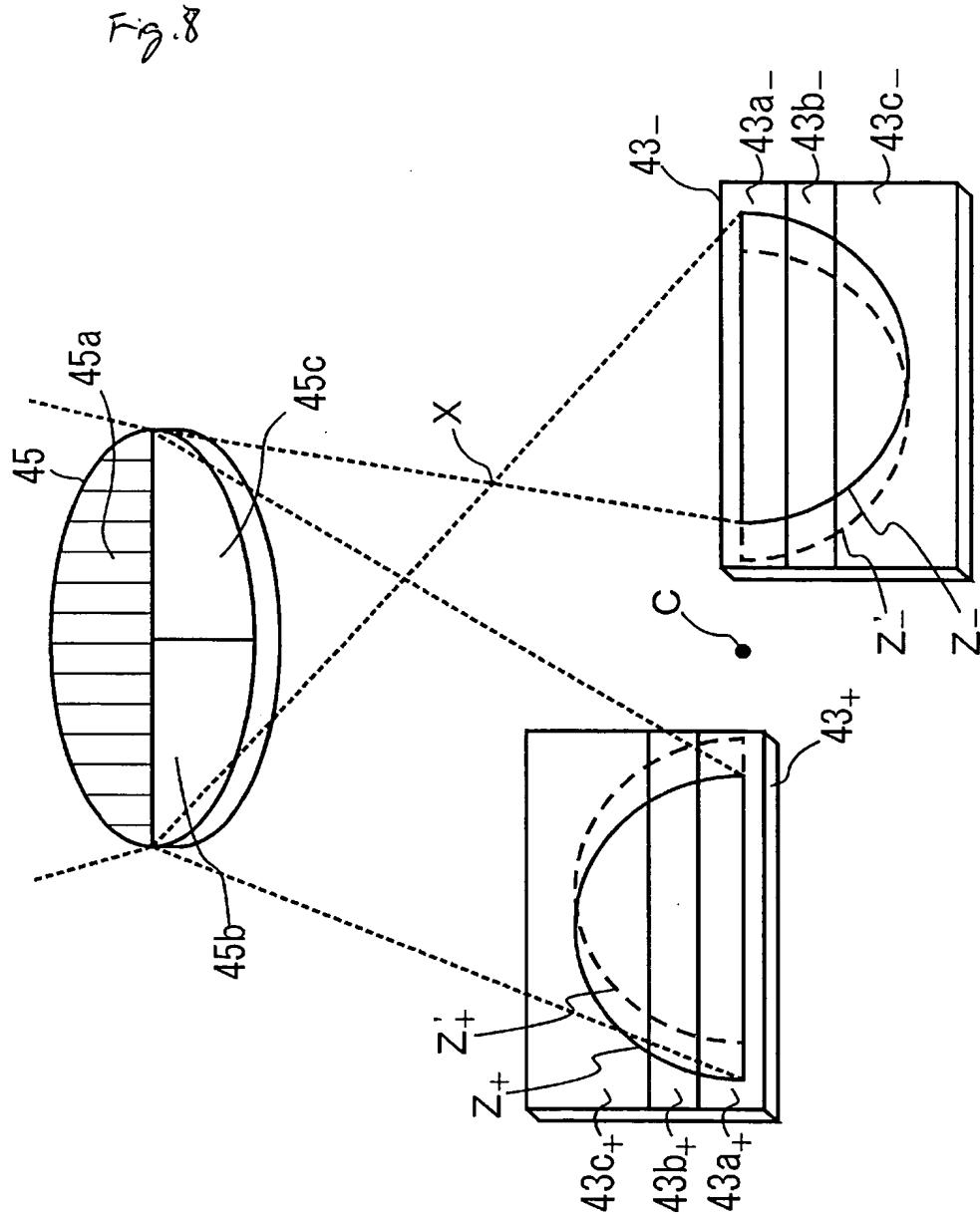
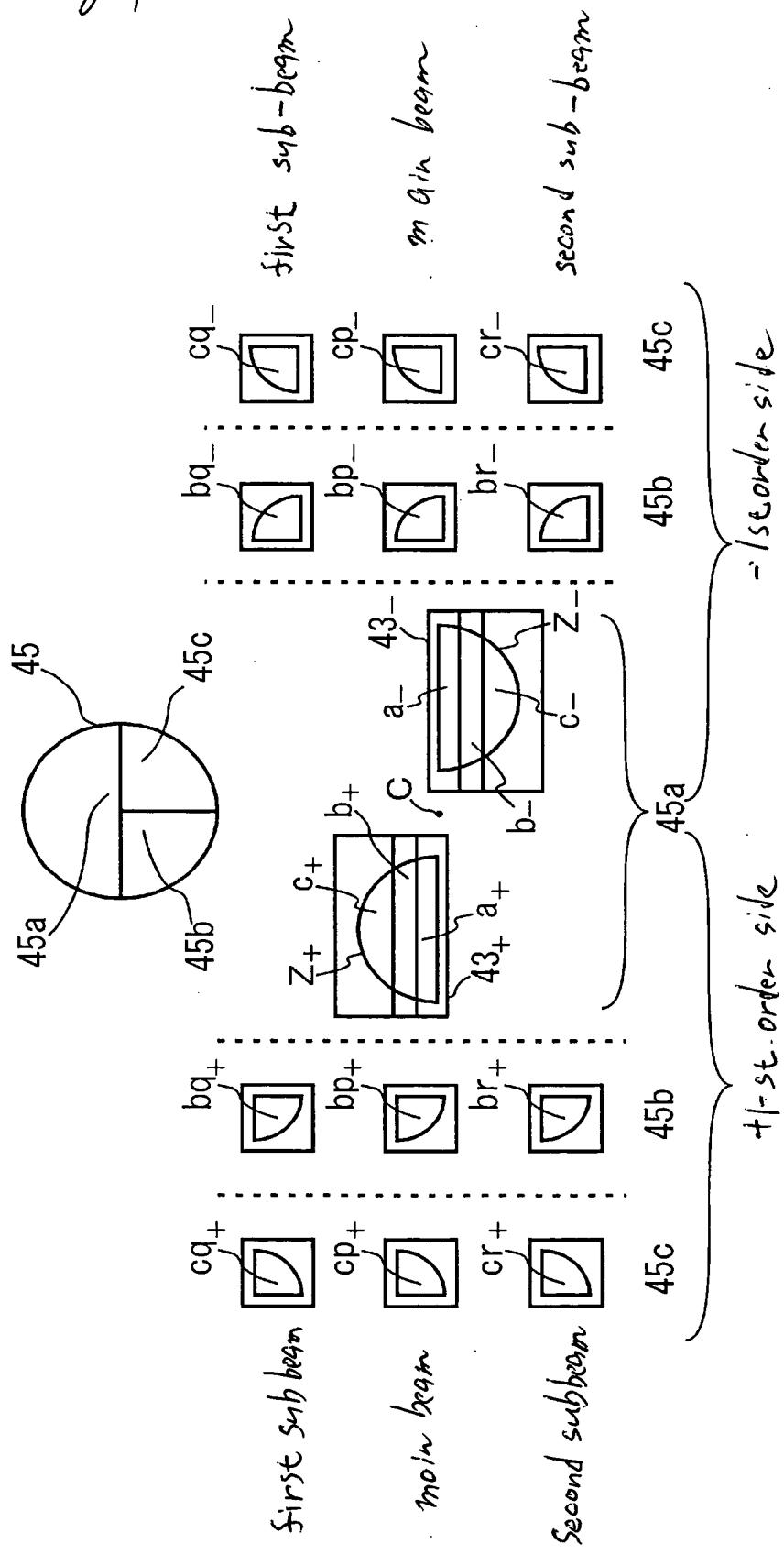


Fig. 9



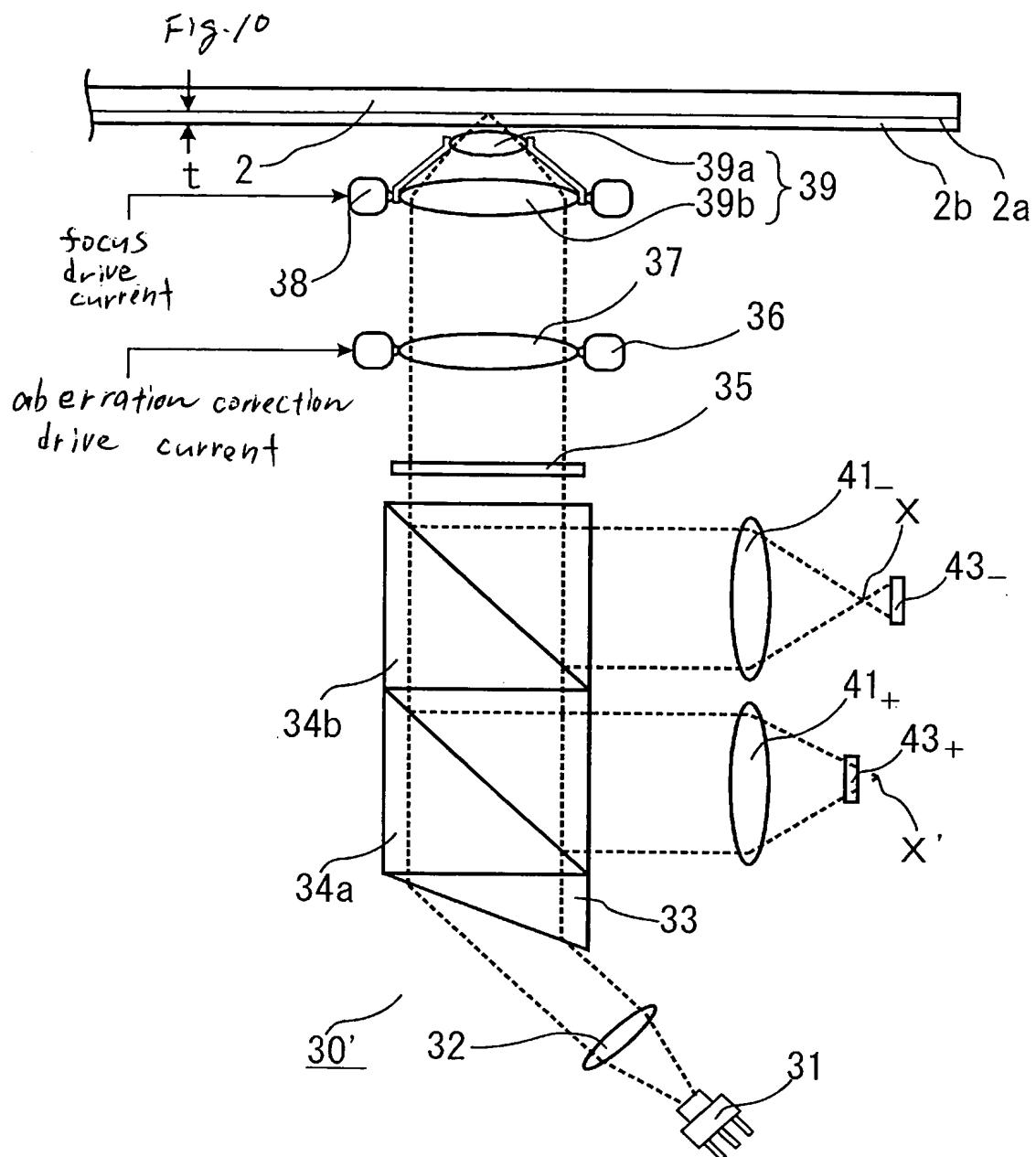


Fig. 11

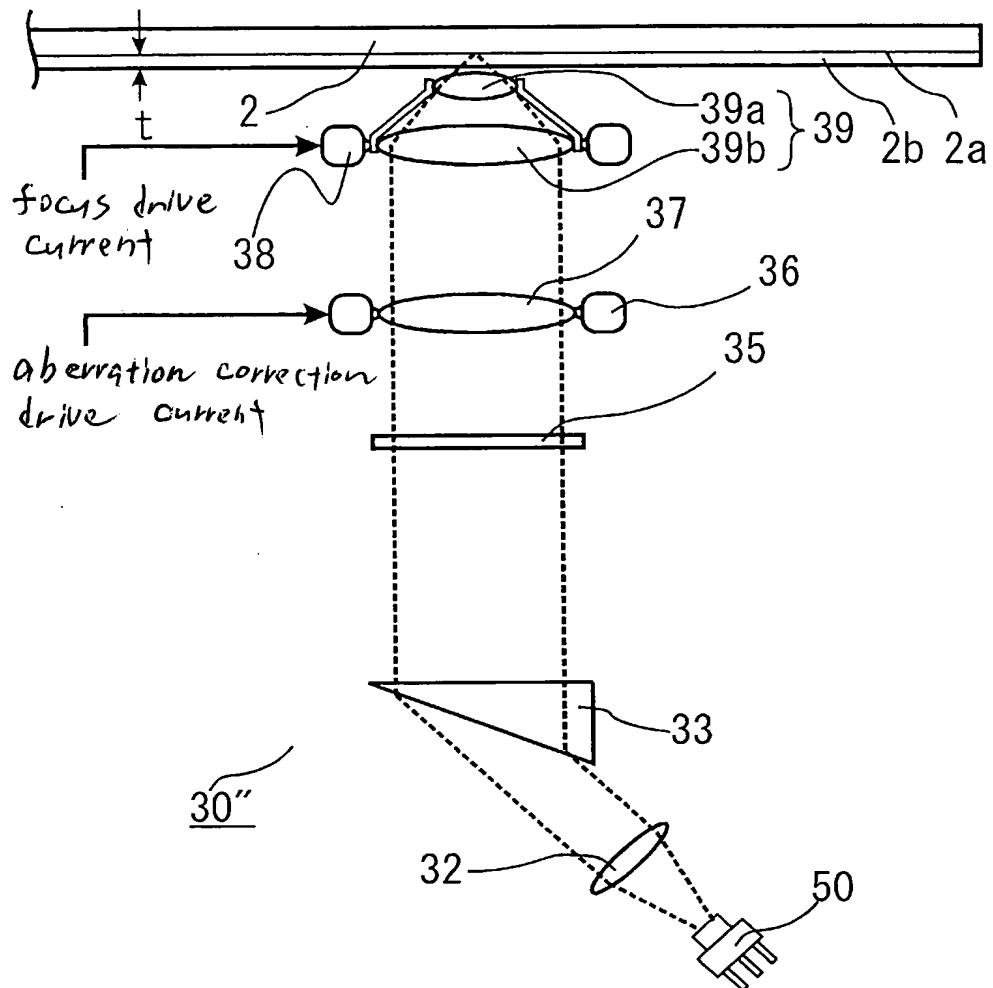
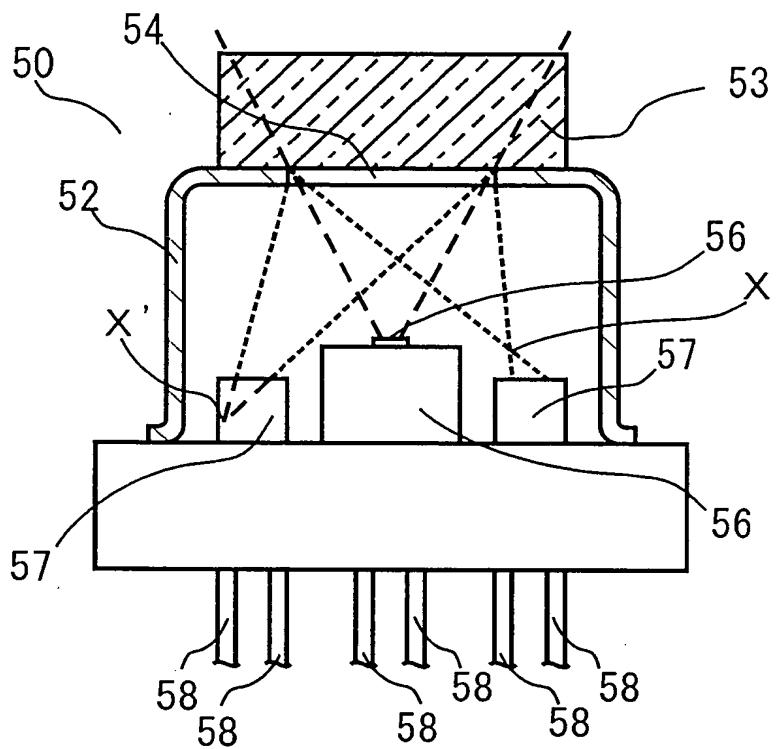
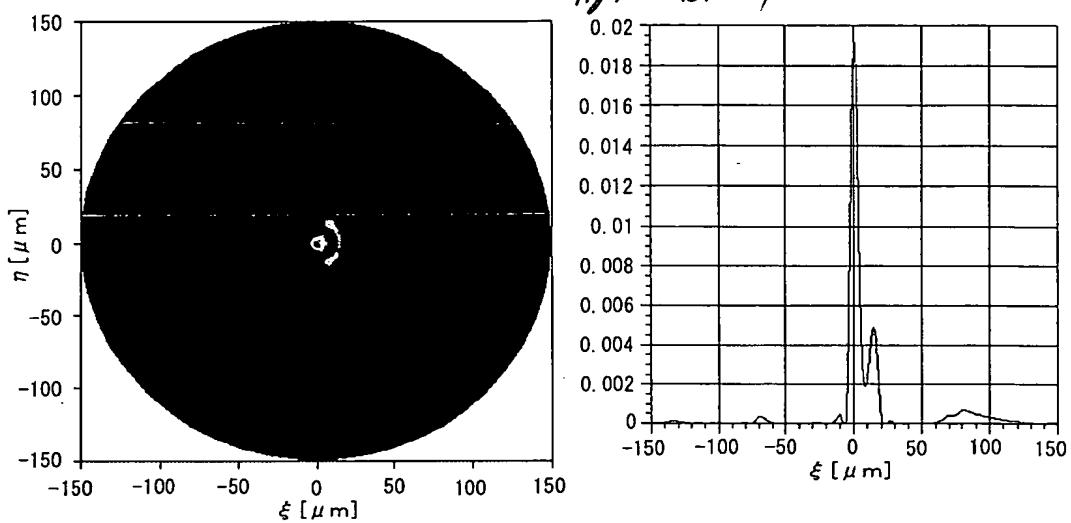


Fig. 12

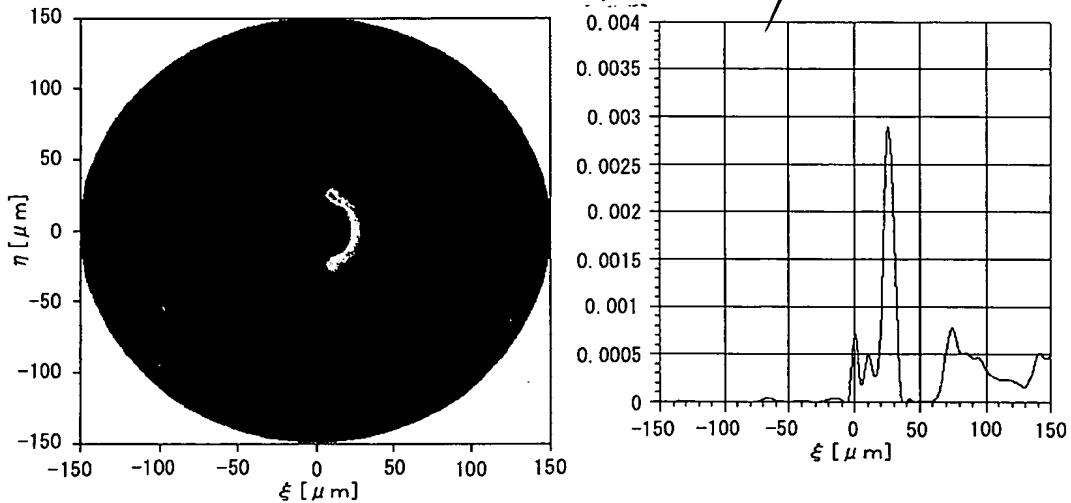


Hg, 13

A



B



C

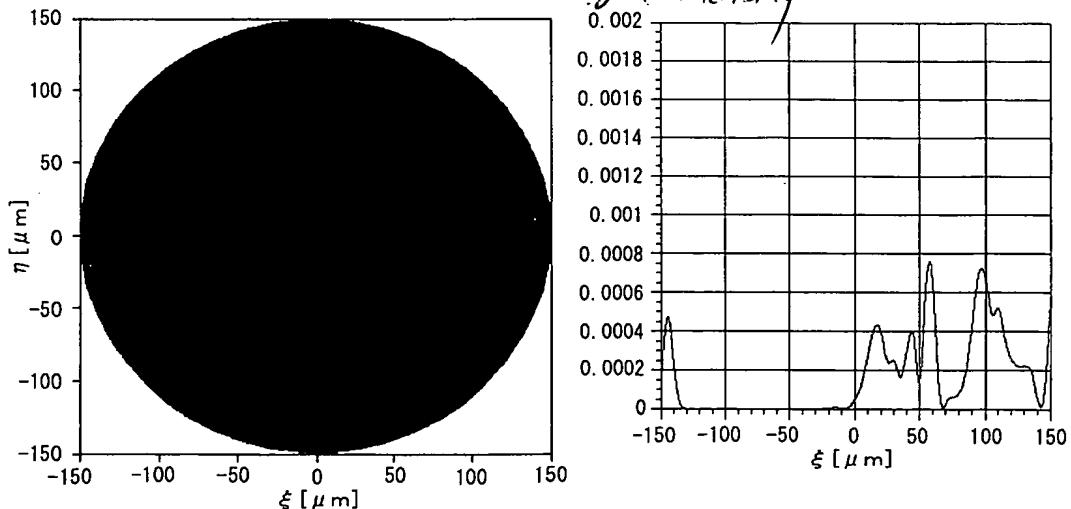
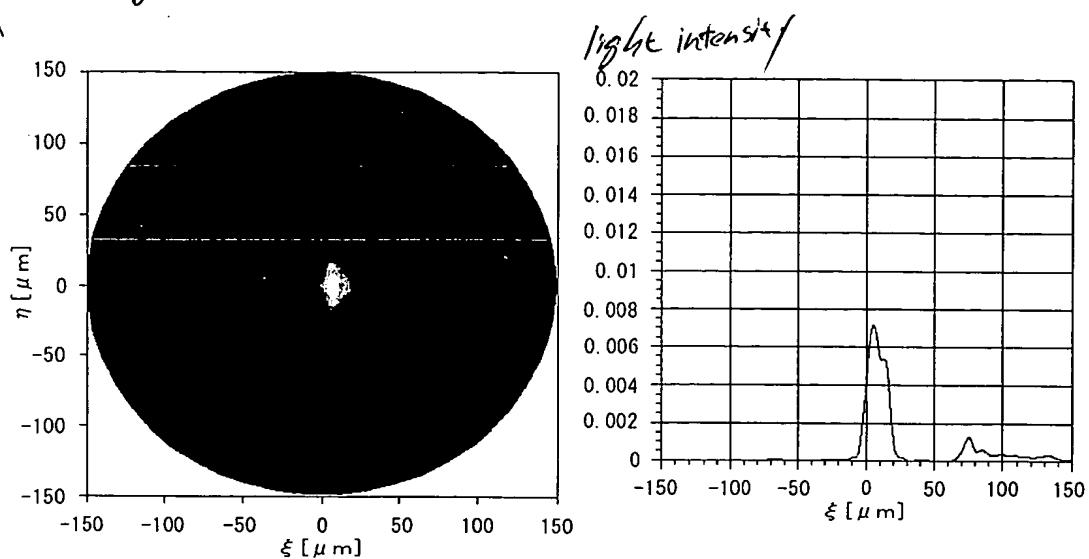
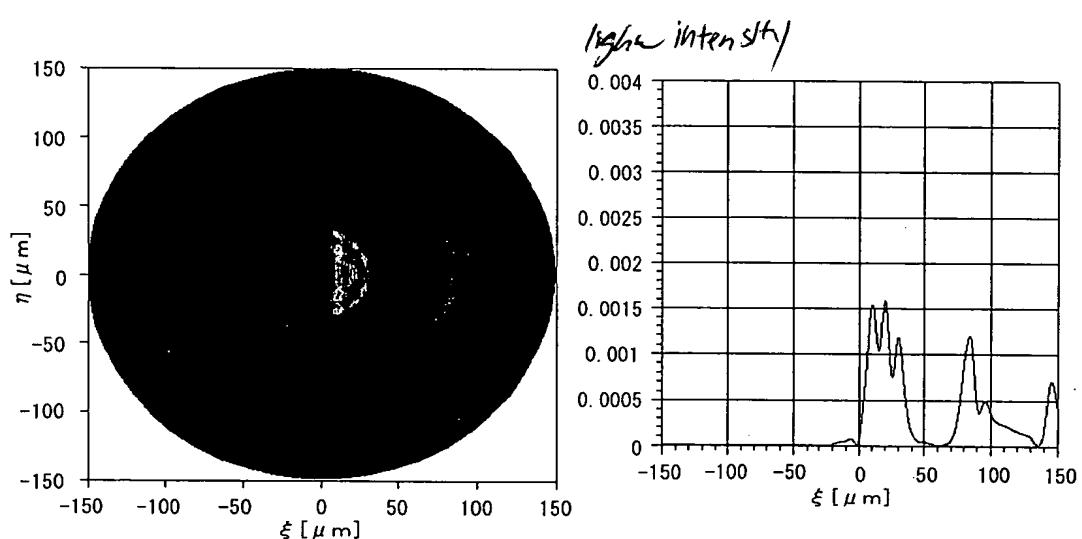


Fig. 14

A



B



C

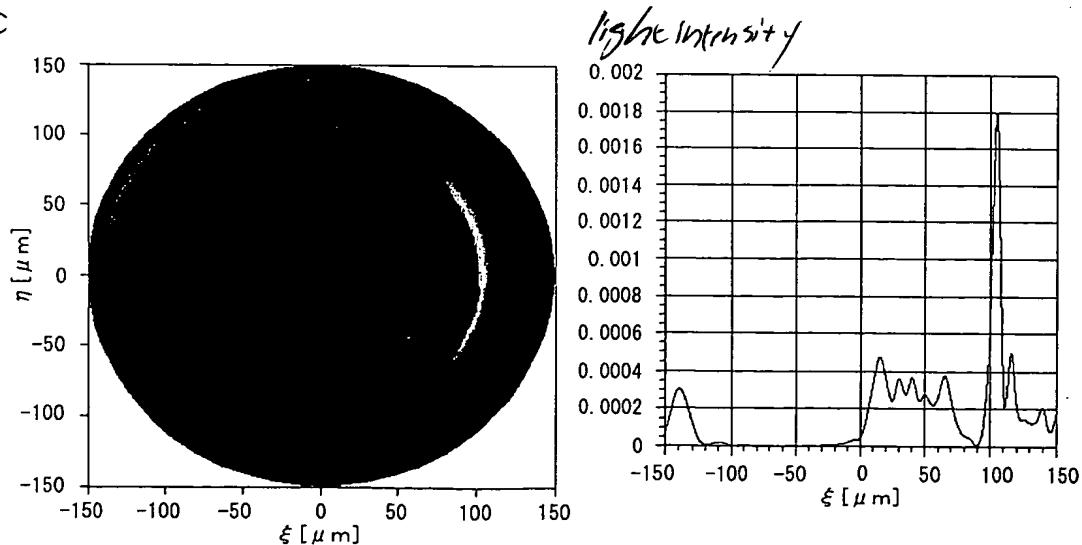
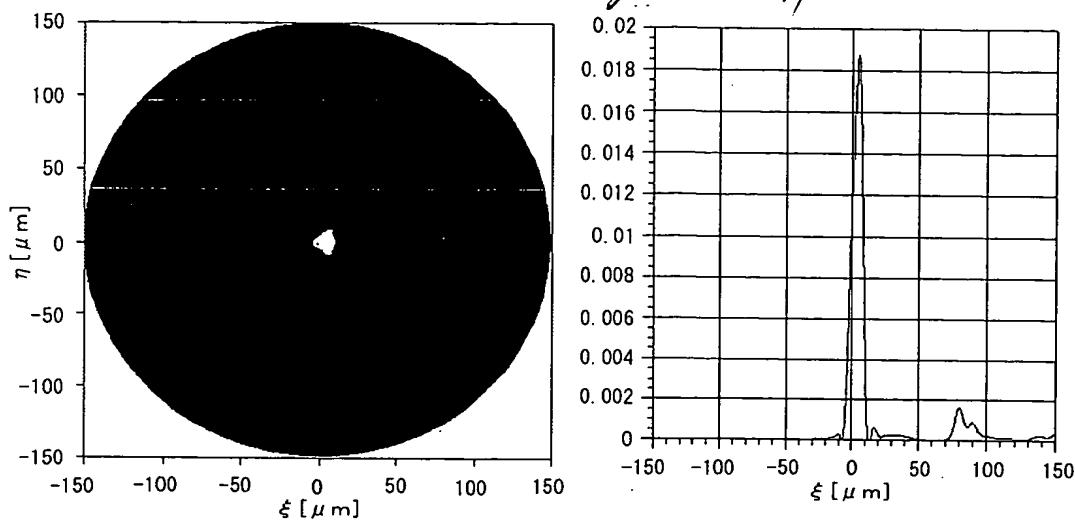
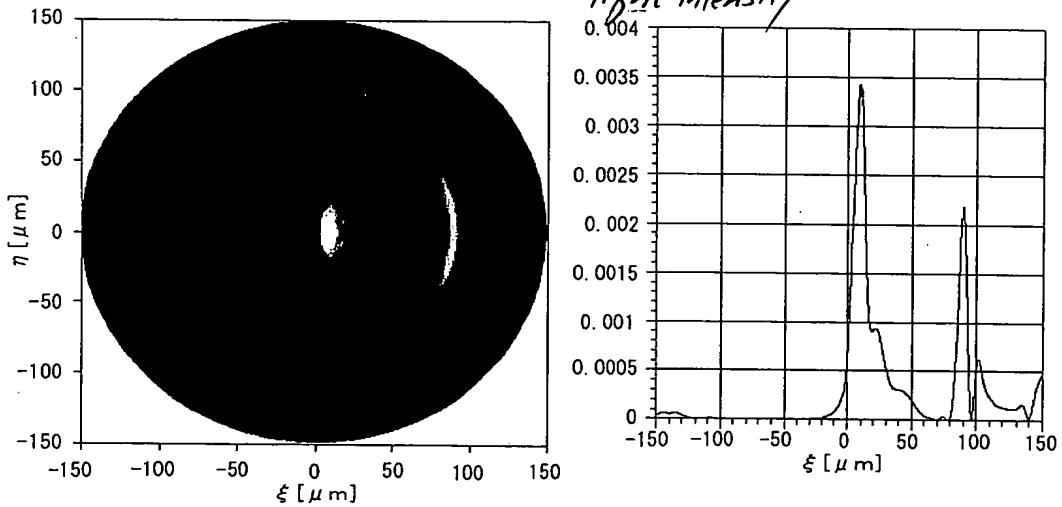


Fig. 15

A



B



C

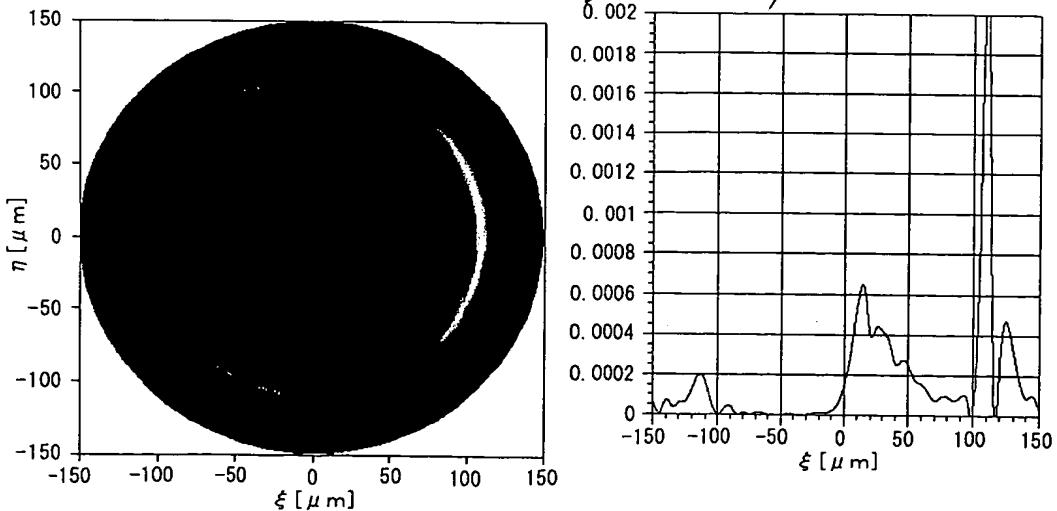


Fig. 16

protecting layer thickness error dependency of the following formulae  
( $\alpha = 0.162\text{mm}$ )

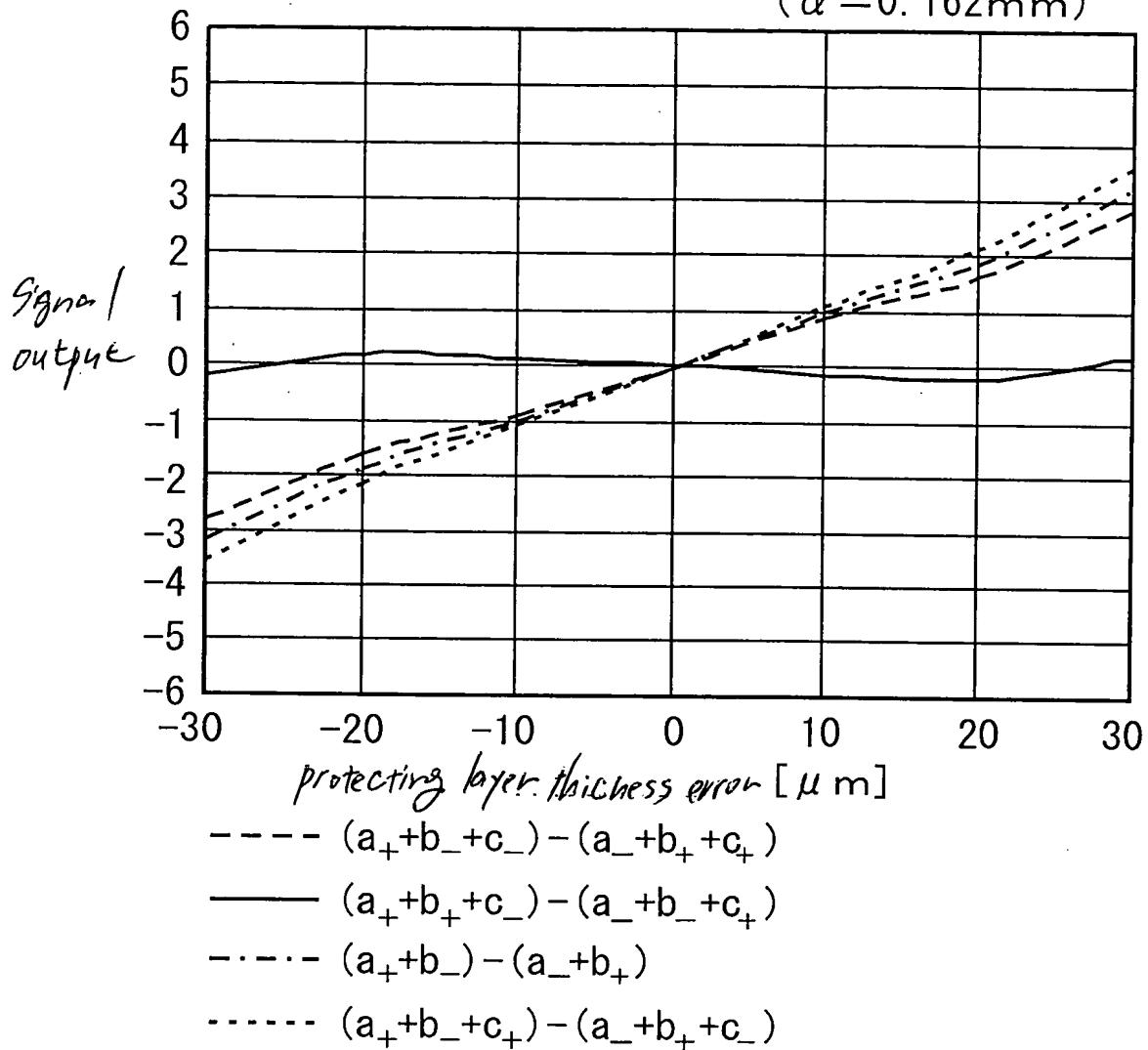
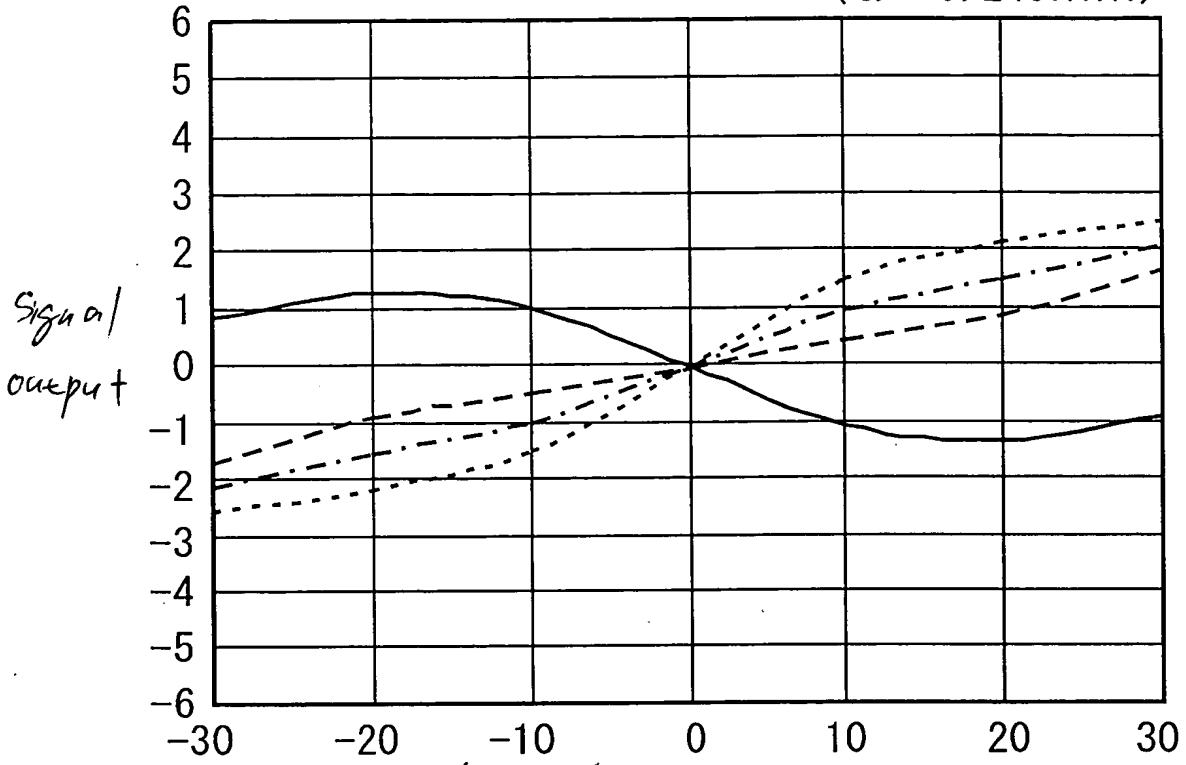


Fig.17  
protecting layer thickness error dependency of the following formulae.  
( $\alpha = 0.243\text{mm}$ )



protecting layer thickness error [ $\mu\text{m}$ ]

- $(a_+ + b_+ + c_-) - (a_- + b_- + c_+)$
- $(a_+ + b_- + c_-) - (a_- + b_+ + c_+)$
- - -  $(a_+ + b_-) - (a_- + b_+)$
- · -  $(a_+ + b_+ + c_+) - (a_- + b_- + c_-)$

Fig. 18

focus correction signal, detecting position dependency  $F_0 = (a_+ + b_+ + c_-) - (a_- + b_- + c_+)$

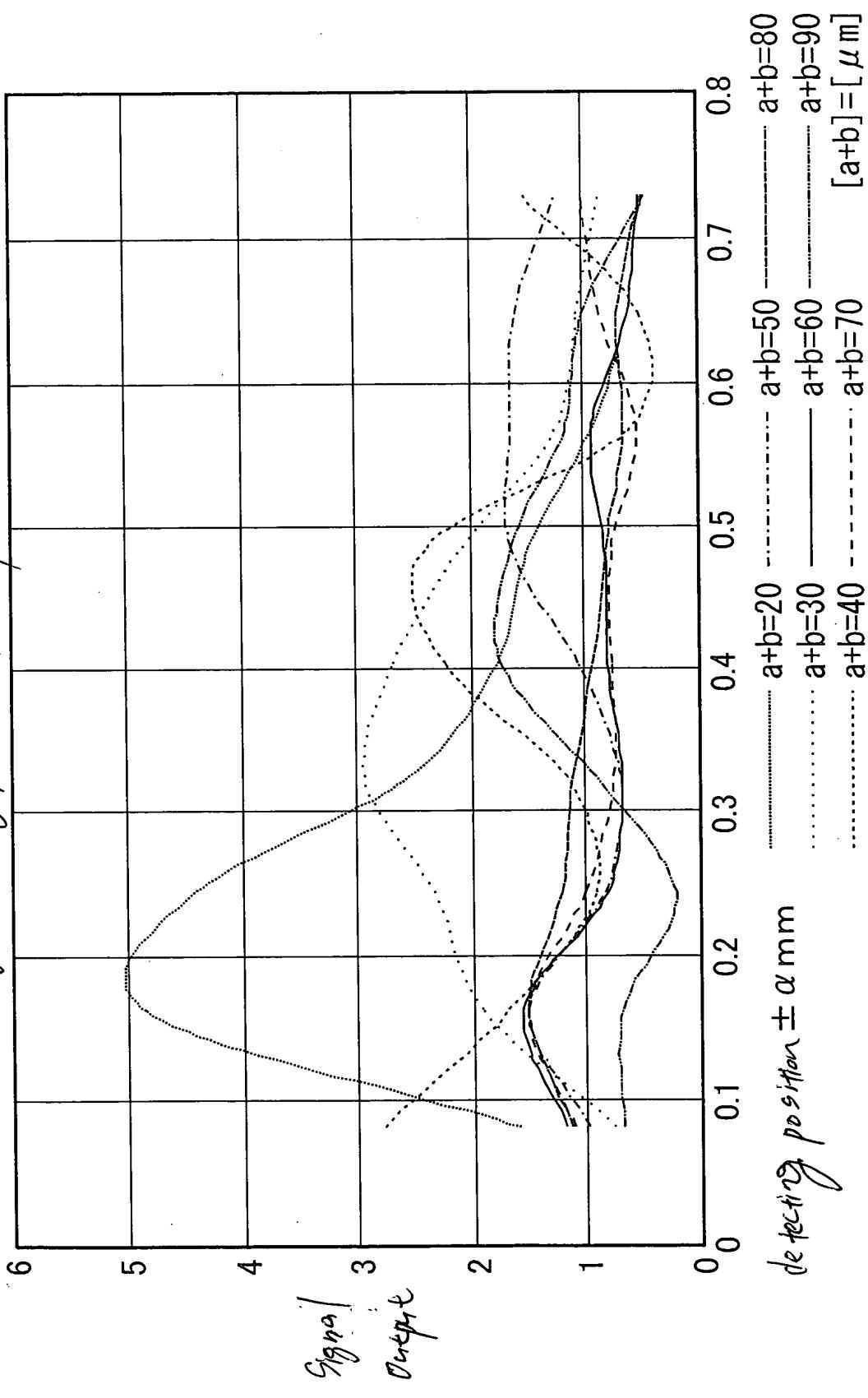
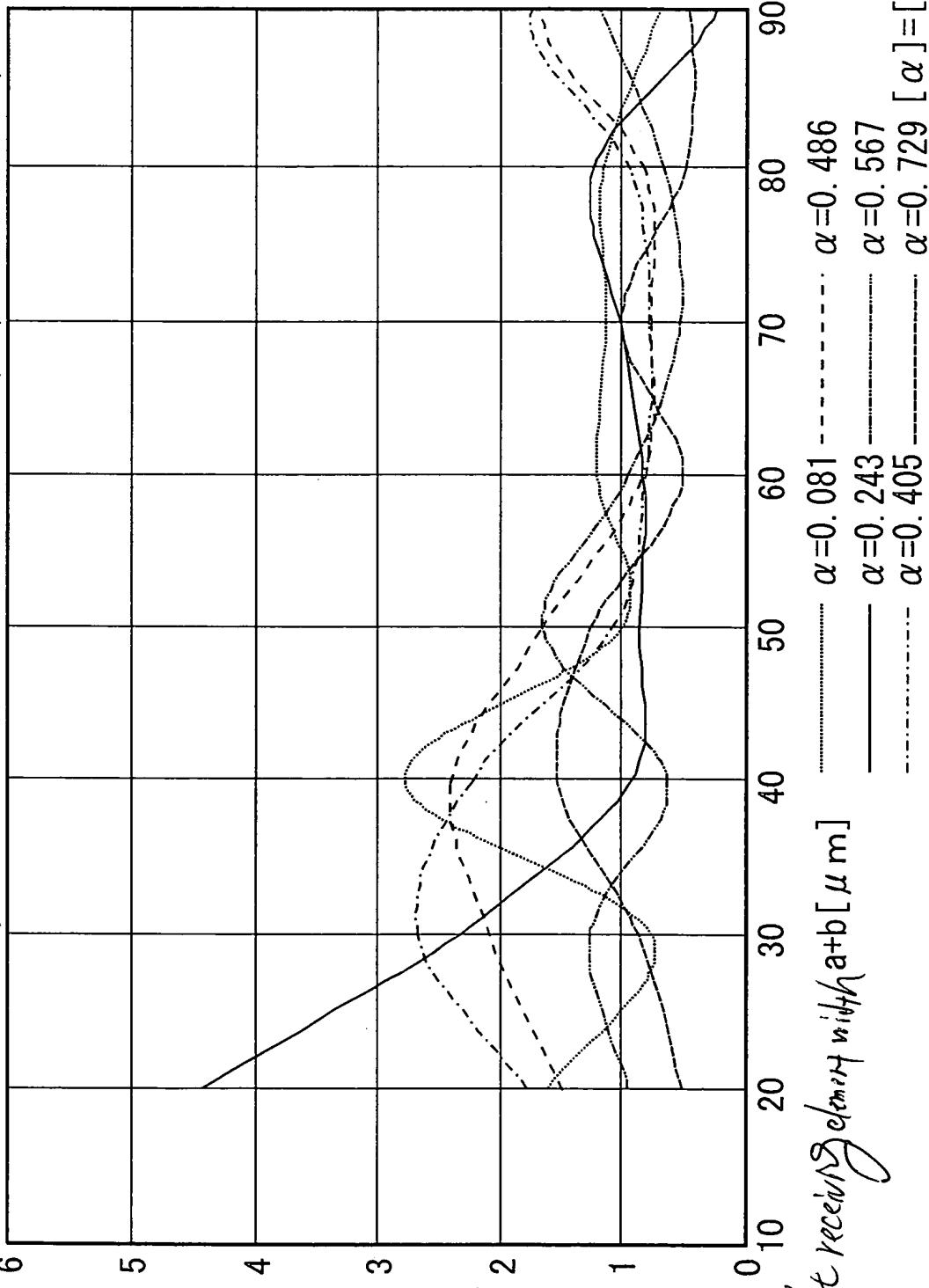


Fig. 19

Focus correction signal / light receiving element with decay

$$F_0 = (a_+ + b_+ + c_-) - (a_- + b_- + c_+)$$



Focus  
output